

Title (en)
PREPARING METHOD FOR 5-ALKOXYMETHYLFURFURAL

Title (de)
VERFAHREN ZUR HERSTELLUNG VON 5-ALKOXYMETHYLFURFURAL

Title (fr)
PROCÉDÉ DE PRÉPARATION DE 5-ALKOXYMÉTHYLFURFURAL

Publication
EP 3865478 A1 20210818 (EN)

Application
EP 21156173 A 20210210

Priority
KR 20200017437 A 20200213

Abstract (en)
The present disclosure provides a preparing method for 5-alkoxymethylfurfural, including steps of (a) preparing fructose, (b) mixing the fructose, an organic acid catalyst, and an organic solvent, thereby preparing mixing solution, and (c) heating the mixing solution, thereby preparing 5-alkoxymethylfurfural. Therefore, 5-alkoxymethylfurfural may be effectively prepared without by-products from fructose.

IPC 8 full level
C07D 307/50 (2006.01); **C07D 307/54** (2006.01)

CPC (source: EP KR US)
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Citation (applicant)
• KR 20187018309 A 20161207
• GREEN CHEM., vol. 17, 2015, pages 3310
• GREEN CHEM., vol. 13, 2011, pages 754

Citation (search report)
• [XY] WO 2013043131 A1 20130328 - AGENCY SCIENCE TECH & RES [SG], et al
• [A] CN 107501215 A 20171222 - UNIV CHINA AGRICULTURAL
• [XA] WO 2011043660 A2 20110414 - FURANIX TECHNOLOGIES BV, et al
• [XY] MORALES G ET AL: "Efficient production of 5-ethoxymethylfurfural from fructose by sulfonic mesostructured silica using DMSO as co-solvent", CATALYSIS TODAY, ELSEVIER, AMSTERDAM, NL, vol. 279, 11 March 2016 (2016-03-11), pages 305 - 316, XP029802449, ISSN: 0920-5861, DOI: 10.1016/J.CATTOD.2016.02.016

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Designated extension state (EPC)
BA ME

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EP 3865478 A1 20210818; **EP 3865478 B1 20231129**; JP 2021127337 A 20210902; JP 7278315 B2 20230519; KR 102347177 B1 20220104; KR 20210103107 A 20210823; US 11597709 B2 20230307; US 2021253545 A1 20210819

DOCDB simple family (application)
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